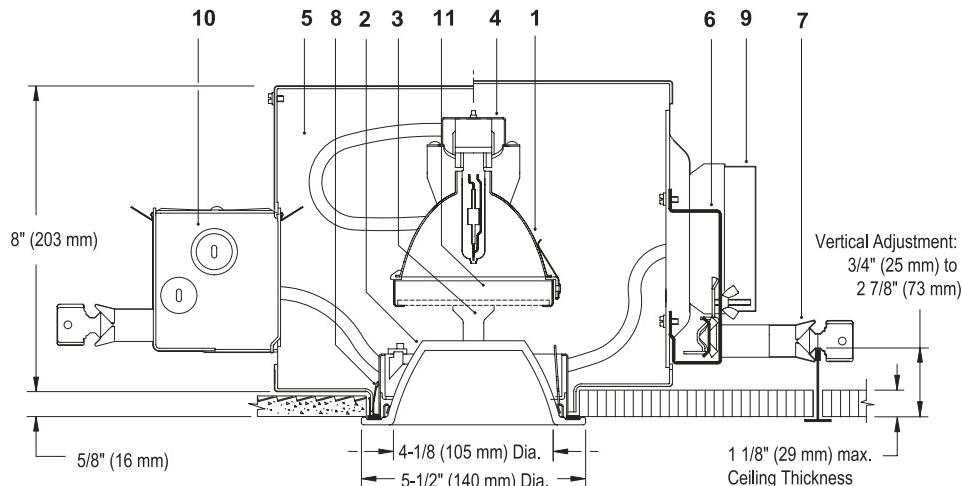


Top View



Ceiling Cutout: 5 1/8" (130 mm) Dia.

For complete fixture order: Trim Kit (Glasslite) + Upper Reflector + Frame-In Kit. Sold Separately

**Glasslite Trim Kit + Upper Reflector**

- C4T4GD + MHT4RS** (Spot Upper Reflector)  
**MHT4RNF** (Narrow Flood Upper Reflector)  
**MHT4RF** (Flood Upper Reflector)

**Frame-In Kit****Lamp**

<b>C4A20T4E1</b>	Electronic 120V	20W T4.5 Ceramic MH
<b>C4A20T4E2</b>	Electronic 277V	20W T4.5 Ceramic MH
<b>C4A39T4E1</b>	Electronic 120V	39W T4.5 Ceramic MH
<b>C4A39T4E2</b>	Electronic 277V	39W T4.5 Ceramic MH
<b>C4A70T4E1</b>	Electronic 120V	70W T4.5 Ceramic MH
<b>C4A70T4E2</b>	Electronic 277V	70W T4.5 Ceramic MH

**Features**

- Upper Reflector:** Specular faceted aluminum; select 12° Spot (MHT4RS) 25° Narrow Flood (MHT4RNF) or 40° Flood (MHT4RF); interchangeable.
- Glasslite Trim Kit:** One piece borosilicate etched glass.
- Lamp Holder:** Unitized construction assures proper alignment of lamp to optics for consistent optical performance.
- Socket Housing:** Galvanized steel, pre-wired with G8.5 pulse rated socket. Snaps onto yoke for secure attachment without tools; unitized construction assures proper alignment of lamp to optics for consistent optical performance.
- Frame Housing:** Steel, 0.029" (22-Ga.), matte black finish. Removable cover for top re-lamping.
- Frame Vertical Adjustment Mechanism:** Accommodates mounting to virtually any ceiling system using pre-installed mounting bars, or 1/2" EMT tubing (by others). Single locking feature secures all adjustments. Alignment holes and markings allow fixture to be pre-set prior to installation. Final adjustment can be made from below from inside fixture.
- Mounting Bars:** Galvanized steel, 0.048" (18-ga.), pre-installed telescoping bars extend to 30" long and lock securely into position. Built-in locking tabs provide positive attachment to common T-bar systems. Self-centering feature simplifies installation in 24" O.C. grid systems. Attaches to steel or wood joists without accessories.
- Retention Springs:** Rust resistant springs secure trim for quick, tool-less installation.
- Ballast / Cover Assembly:** Accessible from below and removable without tools for inspection and ballast replacement.
- Junction Box:** 0.059" (16-ga.) galvanized steel. UL listed for 8 No. 12 AWG, 90° C through branch circuit conductors. Allows inspection from below.
- Optional Accessory Holder:** Catalog # CAH4 Sold separately; die-formed steel, matte black finish, slide-in installation. Accepts up to two 3 3/4" dia. media.
- Thermal Protector:** (Not Shown) Meets NEC and UL requirements. Do not install insulation above nor within 3" (76mm) of any part of the luminaire.

**Electrical**

**Electronic Ballast:** 120V or 277V, 50/60 Hz., encased, high power factor, T.H.D. <15%, thermally and transient protected, RMI/RFI complies with FCC Part 18 non-consumer limits, shut-down circuit at end of lamp life, sound rating "A", -5° F minimum starting temperature, Type 1 Outdoor rating.

Ballast	ANSI Code	Voltage	Max. Amps	Input Watts
20W MH	M156	120/277	0.21/0.10	23
39W MH	M130	120/277	0.39/0.17	44
70W MH	M139	120/277	0.67/0.29	78

**Options and Accessories**

**Chicago Plenum:** Consult Factory.

**Labels**

UL (Suitable for Wet Locations), CSA, I.B.E.W.

**Job Information****Type:**

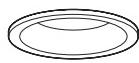
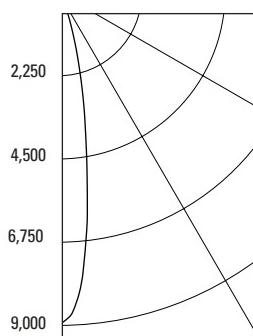
Job Name:

Cat. No.:

Lamp(s):

Notes:

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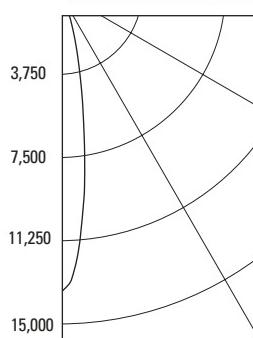
**39W T4.5 CERAMIC MH, NARROW FLOOD UPPER REFLECTOR, PHILIPS, LUMEN RATING = 3400 LMS., AROMAT ELECTRONIC BALLAST**

ANGLE	MEAN CP	LUMENS	LUMINANCE SUMMARY - CD. / SQ. M.		
			ANGLE	MEAN CD/SQ M	
0	8996		45	7690	CEILING
5	7584		55	6459	WALL
10	4322		65	3966	
15	2225		75	2612	RCR
20	1047		85	0	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%
25	452				
30	169				
35	81				
40	53				
45	39				
50	32				
55	26				
60	20				
65	12				
70	7				
75	5				
80	3				
85	0				
90	0				

**Coefficients of Utilization**

		80%	70%	50%	30%	
		70	50	30	10	
		.56	.56	.56	.56	.54 .54
		.54	.53	.52	.51	.52 .51
		.52	.51	.50	.49	.50 .48
		.49	.48	.47	.46	.49 .47
		.47	.46	.45	.43	.47 .46
		.46	.45	.44	.43	.46 .45
		.44	.43	.42	.41	.44 .43
		.42	.41	.40	.39	.42 .40
		.40	.39	.38	.37	.41 .39
		.38	.37	.36	.35	.41 .39
		.36	.35	.34	.33	.40 .38
		.34	.33	.32	.31	.39 .37
		.33	.32	.31	.30	.38 .36
		.32	.31	.30	.29	.37 .35
		.31	.30	.29	.28	.36 .34
		.30	.29	.28	.27	.35 .33
		.29	.28	.27	.26	.34 .32
		.28	.27	.26	.25	.33 .31
		.27	.26	.25	.24	.32 .30
		.26	.25	.24	.23	.31 .29
		.25	.24	.23	.22	.30 .28
		.24	.23	.22	.21	.29 .27
		.23	.22	.21	.20	.28 .26
		.22	.21	.20	.19	.27 .25
		.21	.20	.19	.18	.26 .24
		.20	.19	.18	.17	.25 .23
		.19	.18	.17	.16	.24 .22
		.18	.17	.16	.15	.23 .21
		.17	.16	.15	.14	.22 .20
		.16	.15	.14	.13	.21 .19
		.15	.14	.13	.12	.20 .18
		.14	.13	.12	.11	.19 .17
		.13	.12	.11	.10	.18 .16
		.12	.11	.10	.09	.17 .15
		.11	.10	.09	.08	.16 .14
		.10	.09	.08	.07	.15 .13
		.09	.08	.07	.06	.14 .12
		.08	.07	.06	.05	.13 .11
		.07	.06	.05	.04	.12 .10
		.06	.05	.04	.03	.11 .09
		.05	.04	.03	.02	.10 .08
		.04	.03	.02	.01	.09 .07
		.03	.02	.01	.00	.08 .06
		.02	.01	.00	.00	.07 .05
		.01	.00	.00	.00	.06 .04
		.00	.00	.00	.00	.05 .03

LUMINAIRE INPUT WATTS = 44

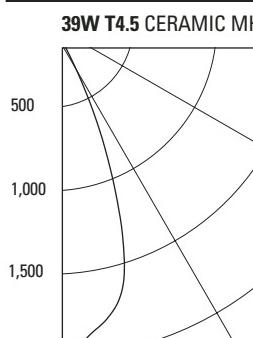
**70W T4.5 CERAMIC MH, NARROW FLOOD UPPER REFLECTOR, PHILIPS, LUMEN RATING = 6200 LMS., AROMAT ELECTRONIC BALLAST**

ANGLE	MEAN CP	LUMENS	LUMINANCE SUMMARY - CD. / SQ. M.		
			ANGLE	MEAN CD/SQ M	
0	13659		45	15547	CEILING
5	11121	915	55	13566	WALL
10	6556		65	9819	
15	3509	990	75	6013	RCR
20	1859		85	2289	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%
25	942				
30	400				
35	177				
40	105				
45	78				
50	65				
55	55				
60	43				
65	29				
70	20				
75	11				
80	6				
85	1				
90	0				

**Coefficients of Utilization**

		80%	70%	50%	30%	
		70	50	30	10	
		.50	.50	.50	.50	.49 .49
		.49	.48	.47	.46	.45 .44
		.47	.46	.45	.44	.44 .43
		.45	.44	.43	.42	.43 .42
		.43	.42	.41	.40	.43 .41
		.41	.40	.39	.38	.40 .38
		.40	.39	.38	.37	.39 .37
		.39	.38	.37	.36	.37 .35
		.37	.35	.34	.33	.35 .33
		.35	.34	.33	.31	.32 .30
		.34	.32	.31	.30	.34 .32
		.33	.31	.30	.28	.31 .28
		.32	.30	.28	.27	.30 .27
		.31	.29	.27	.26	.29 .26
		.30	.28	.26	.25	.27 .25
		.29	.27	.25	.24	.27 .24
		.28	.26	.24	.23	.26 .23
		.27	.25	.23	.22	.25 .22
		.26	.24	.22	.21	.24 .21
		.25	.23	.21	.20	.23 .20
		.24	.22	.20	.19	.22 .19
		.23	.21	.19	.18	.21 .18
		.22	.20	.18	.17	.20 .17
		.21	.19	.17	.16	.19 .16
		.20	.18	.16	.15	.18 .15
		.19	.17	.15	.14	.17 .14
		.18	.16	.14	.13	.16 .13
		.17	.15	.13	.12	.15 .12
		.16	.14	.12	.11	.14 .11
		.15	.13	.11	.10	.13 .10
		.14	.12	.10	.09	.12 .09
		.13	.11	.09	.08	.11 .08
		.12	.10	.08	.07	.10 .07
		.11	.09	.07	.06	.09 .06
		.10	.08	.06	.05	.08 .05
		.09	.07	.05	.04	.07 .04
		.08	.06	.04	.03	.06 .03
		.07	.05	.03	.02	.05 .02
		.06	.04	.02	.01	.04 .01
		.05	.03	.01	.00	.03 .00
		.04	.02	.00	.00	.02 .00
		.03	.01	.00	.00	.01 .00
		.02	.00	.00	.00	.00 .00
		.01	.00	.00	.00	.00 .00
		.00	.00	.00	.00	.00 .00

LUMINAIRE INPUT WATTS = 78

**39W T4.5 CERAMIC MH, FLOOD UPPER REFLECTOR, PHILIPS, LUMEN RATING = 3400 LMS. AROMAT ELECTRONIC BALLAST**

ANGLE	MEAN CP	LUMENS	LUMINANCE SUMMARY - CD. / SQ. M.		
			ANGLE	MEAN CD/SQ M	
0	1992		45	7192	CEILING
5	1944	184	55	6459	WALL
10	3054		65	5333	
15	2810	763	75	7313	RCR
20	2215		85	4282	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%
25	1361				
30	668				
35	279	194			
40	125				
45	67				
50	55				
55	47				
60	39				
65	29				
70	20				
75	13	14			
80	8				
85	3	3			
90	0	0			

**Coefficients of Utilization**

		80%	70%	50%	30%	
		70	50	30	10	
		.39	.39	.39	.39	.38 .38
		.37	.37	.36	.35	.35 .34
		.35	.33	.32	.31	.31 .30
		.34	.32	.30	.29	.31 .29
		.32	.30	.28	.28	.30 .28
		.31	.29	.28	.27	.29 .27
		.30	.28	.27	.26	.28 .25
		.29	.27	.26	.25	.27 .24
		.28	.26	.25	.24	.26 .23
		.25	.24	.23	.22	.25 .23
		.24	.23	.22	.21	.24 .22
		.23	.21	.20	.19	.22 .19
		.21	.19	.18	.17	.20 .17
		.19	.17	.16	.15	.19 .15
		.17	.15	.14	.13	.17 .13
		.15	.13	.12	.11	.15 .11
		.13	.11	.10	.09	.13 .09
		.11	.09	.08	.07	.11 .07
		.09	.07	.06	.05	.09 .05
		.07	.05	.04	.03	.07 .03
		.05	.03	.02	.01	.05 .01
		.03	.01	.00	.00	.03 .00
		.01	.00	.00	.00	.01 .00
		.00	.00	.00	.00	.00 .00